Approved For Release 2004/03/26 : CIA-RDP78B05171A000200020173-5

MPIC/TSSG/RED-107-70 3 April 1970

	ATTEMPION : TSSG/PPS
	SUBJECT : NED Monthly Report on Significant Events (March 1970)
	A. Significant Items of Interest for March 1970.
	Presentation.
	presented a talk, film and demonstration of a some MPIC personnel. Two of their latest materials, as well as some MPIC personnel. Two of their latest materials, as well as some MPIC personnel. The loss of a DYLUK full color possibilities, were presented. The loss of a DYLUK
	give an Operational Evaluation of the various materials marketed
	2. Calibration Device. The Calibration Device for the High Precision
	2. Calibration Device. In presented to MPIC personnel.
	was briefed on 26 March. The Staff Study has been forwarded.
	3. Computer Core Memory. The Staff Study for the Additional Com-
	also been forwarded to the DDI for approval.
	4. Righ Precision Stereocomparator Program. Project Manager
	completed by 17 April, and the openear system anapyro
	28 April 1970.
	5. Buste Research in Precise Measurement. Proposals have been
	everyoned; the paretrues and behave
	6. FI Sean & Search Station, Phase II. Proposals and cost break-
	6. If Sean & Search Station have been
	The proposal information has been presented
i i	goordinating committee.
	7. Step & Repeat Contract Printer. A proposal has been received
	ter. This is currently being coordinated with PSG.

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	have been delivered by The tables are being evaluated in TSSE/ESD. Technical specifications are being present for the follow-on production models.	25X1
9.	Advanced Stereo Rhomboids II. The Advanced Stereo Rhomboids II have been delivered by This item is being tested and evaluated in TSSG/ESD. Technical specifications have been prepared and turned over to TSSG/SCAPS for the production models.	
	900 Light Table. A Project Approval Request for a vibration enalysis of the 940 Light Tables has been prepared and forwarded to Chief, TSSG.	
	Low Power Objectives. A proposal to determine the feasibility of providing low power objectives for the Advanced Stereo Rhomboids II has been evaluated. The approval memo has been forwarded to Chief, TSSC.	
	Retrofit Film Transport Kit. On March 26, the Retrofit Film Transport Kit was accepted at kit (mounted on a GFE MIM #4 Light Table) will be delivered to MFIG in early April.	25X1
	Wide Field Filer Eveniece. The Wide Field Filer Eveniece for the High Fower Stereoviewer was completed by and was delivered to MFIC on 30 March 1970.	25 X1
	Improved Lamp Performance Study. The contract for the Improved Lamp Performance Study with	25X1
15.	Eveniece for Zoom 240. A proposal for a Wide Field Filar Eye- piece Set for the Zoom 240 was received from and evaluated.	25 X1
16.	10" x 10" Stage Stereocomparator was received from theand evaluated.	25X1
17.	Measurements of Threshold Targets. On March 20, discussions were held with of RADC and representatives from regarding the study sponsored by RADC on Measure- ments of Threshold Targets. The study will be beneficial to HPIC; HPIC will give limited support to the task.	

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5X1		Tease Guality. On 12 March a conference was held between Drs.	
		regarding Tauge Quality Tauks on which the may be able to assist RFIC. Is coordinating efforts in this area.	l 25X1
	19.	Assistance. On the 16th of March, or only PPS met with assistance to ATB in several areas.	25X ²
	20.	Digital Image Manipulation System. On 24 March, Method from several alternatives to install the Digital Image Manipulation (DIM) Imput/Output System in Room 48007. The system will be located with a 11 X 11 foot portable laminar flow clean room. The completion date is presently set at 30 May to accommodate the receipt of the equipment from TechOps.	25 X1
25X1	21.	of EL/ATB been performing spectrographic and chromatographic analyses	25X1
25X1		results indicate the oil may be changing color due to UV and thermal breakdown problems. Continuing tests in conjunction with ESD are simed at isolating the effects causing such color changes.	
25X1	22.	W Reissian. ATB has received the final results of a test parformed by the Mational Bureau of Standards on UV emission from a	
	23.	Contact Lens Acceptance Survey. has analyzed the results of a Contact Lens Acceptance Survey conducted in IEC	25X1
-		thru ADD at the request of Results are tabulated in ANN-064/70 of 26 March.	25X1
25X1	24.	is continuing on a full-time or a second support to BOSAT in the area of Desga Manipulation.	
25 X 1	35.	School Sciences. On 25 March Chief of the Technical Analysis	25X1
.5 🗡 1		Division, Mational Bureau of Standards. division contains several elements of interest to ATB, including a	25X1
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25X1	The T. A. Division also possesses resources in statistical analysis and operation research which may be applied to our problems. Follow-up actions are planned with meetings and the MBS Behavioral Sciences personnel.	
25X1	26. Image Comparison Microstereoscope. Final alignment of all four optical paths has started; however, concurrent check of the answerphic subassemblies has just revealed the presence of astignatism in 3 of the 4 paths. is checking astignatism in 3 of the 4 paths. is checking astignatism in 3 of the 4 paths. the assmorphic prisms against the spees and recabrication may be necessary. This would delay delivery a number of weeks. The benecessary will visit on 13 April, with our consultant,	5X1 25X1
25X1	and review the problem.	
25X1	27. Automatic Stereo Scanner. On 26 March 1970, a briefing was recommending an Engineering Audit by	5X1
	in lieu of continuing the development. It was decided to in lieu of continuing the development. It was decided to pursue both the Engineering Audit and a test and simulation on the High Precision Stereo Comparator, as preludes to tion on the High Precision Stereo Scanner. Meetings were completion of the Automatic Stereo Scanner. Meetings were	5X1
		5X1
	this test proposal (expected in early May 1970). Arrangements this test proposal (expected in early May 1970). Arrangements there made to discuss with their proposal on 7 April 1970 at MFIC. We are working towards starting both efforts by 1 June 1970.	5X1
	28. Stereogram Printer Optical Development is continuing two optical approaches—one approach with primatic anamorphosers and another utilizing cylindrical elements. It is anticipated that a selection can be made in April. Relaxation of magnification and anamorphic specs was considered, but will be reserved as last resorts. A draft of the revised statement of work was reviewed, but has not yet been received in final form.	5X1
	29. Briefings.	
25X1	an RED consultant from the Mational Bureau of Standards, presented a briefing to interested NFIC personnel. on 10 March on Color Perception in the Center Auditorium.	
25X1	Manipulation on 18 March.	
· F	On 19 March, Boeing personnel briefed and Group 2 Chiefs on the Mid-70's PI Workstation.	5X1

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X1	On 9 March, presented a briefing to proposal for study of Electronic Image Displays.
< 1	On 2h March, presented a briefing on the pro- posal for Interactive Display System. Following this, on
(1	23-27 March showed a movie of demonstra-
\1	On 27 March showed this same movie of MaD's demonstration to DIA personnel in
X1 X1 X1	on March 31 presented a briefing to TSSG, presented by TSSG, on the Viewing Systems Study.
	30. Training.
X 1	from 2-5 March 1970.
	Seputy Chief, Research & Engineering Division, NPIC
X1	<u>Attentiont:</u>
	Distribution: